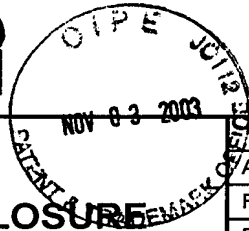


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Substitute for form 1449A/B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

105 #19

Complete if Known

Application Number	09/333,379
Filing Date	June 15, 1999
First Named Inventor	HAGENBUCH, LARRY E
Group Art Unit	2123
Examiner Name	Eduardo Garcia Otero
Attorney Docket Number	189405

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Sheet 1 of 3

Technology Center 2100

## **OTHER - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
EG	BZ	"Capacity Rating—Dumper Body and Trailer Body—SAE J1363 Nov 95," 1999 SAE Handbook-Volume 3 On-Highway Vehicles and Off-Highway Machinery, Society of Automotive Engineers, Inc.		
EG	CA	"Earth-Moving Machinery-Dumper Bodies-Volumetric Rating," International Standard ISO 6483; 1980, p. 1-5.		
EG	CB	"Komatsu Price Changes," Equipment Watch Price Alert, August 2002.		
EG	CC	Komatsu 930E-2 truck spec sheet, June 2002.		
EG	CD	"Caterpillar Price Changes," Equipment Watch Price Alert, January 2003		
EG	CE	Caterpillar 777D Off-Highway Truck, spec sheet, June 2000.		
EG	CF	"Mining Lifts Goldfields Crane Hire," Australia Mining Monthly, December 2002, p. 67		
EG	CG	"Detroit Diesel-We'll Move Mountains for You," Australia Mining Monthly, August 2003		
EG	CH	"Trucks & Shovels," World Mining Equipment, September 2003, Vol. 27, No. 7 (including Komatsu PC 3000 ad and truck/shovel loading photos)		
EG	CI	North American Quarry News, 2003-DBT Mineral Processing ad		
EG	CJ	Mining Engineer, front cover; May 2003		
EG	CK	"P&H 2800 XP Shovel," Perspective in Mining, Vol. 7, No. 2, p. 4		
EG	CL	"Excavator Selection," Peak & Performance Practices, front cover		
EG	CM	"Angles of Repose (Heap)"; Chart, Philippi-Hagenbuch, Inc. 2003		
EV	CN	Oner, Mete, "Deep Dark Secrets of Geotechnical Engineering," EJGE/Magazine, internet article 1997; p. 1-4		
EG	CO	"B.2.60 Angle of Repose," web page from Michigan State University Department of Physics and Astronomy Lecture Demonstrations Databases, downloaded September 28, 2003.		
EG	CP	"Angle of Repose," web page from Michigan Tech University, downloaded September 28, 2003.		
EG	CQ	"Angle of Repose," web page from NCSU Physics DemoRoom, downloaded September 28, 2003.		
EG	CR	"Angle of Repose and Angle of Marginal Stability," web page from <a href="http://www.hlrs.de/people/mueller/papers/parallelMD99/node3.html">http://www.hlrs.de/people/mueller/papers/parallelMD99/node3.html</a> , downloaded September 28, 2003.		
EG	CS	"Angle of Repose," web page from <a href="http://www.HyperDictionary.com">www.HyperDictionary.com</a> , downloaded September 28, 2003.		
EG	CT	"Angle of Repose," web page from University of Texas at Austin Physics Department, downloaded September 28, 2003.		
EG	CU	Faris, Roger, "Find Your Safe Angle of Repose," internet article from The Seattle Press, downloaded September 28, 2003.		
EG	CV	"Mass Wasting and the Angle of Repose," internet article from <a href="http://phoenix.liuient.edu/~divernere/notes/angle_of_repose.htm">http://phoenix.liuient.edu/~divernere/notes/angle_of_repose.htm</a> ; p. 1-3, downloaded September 28, 2003.		
EG	CW	Angle of Repose diagram from Brunner Mond, undated		
EG	CX	"Angle of Repose," charts from web page <a href="http://www.geol.umd.edu/~kaufman/ppt/chapter8/sld006.htm">http://www.geol.umd.edu/~kaufman/ppt/chapter8/sld006.htm</a> ; p. 1-2, downloaded October 4, 2003.		
EG	CY	Lee, J. et al., "Angle of Repose and Angle of Marginal Stability: Molecular Dynamics of Granular Particles," abstract article from <a href="http://www.IOP.org/EJ/abstract/0305-4470/26/2/01">www.IOP.org/EJ/abstract/0305-4470/26/2/01</a> ; p. 1-2, January 21, 1993.		
EG	CZ	"Angle of Repose," web page from <a href="http://www.RCRC.nm.org/glossary/gl-angle-of-repose.html">www.RCRC.nm.org/glossary/gl-angle-of-repose.html</a> , downloaded September 28, 2003.		

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					Examiner Name	Eduardo Garcia Otero
					Attorney Docket Number	189405

EG	DA	Olson, C.J. et al., "Effect of Grain Geometry on Angle of Repose and Dynamics," internet article from <a href="http://www.eps.org/aps/meet/MAR01/baps/abs/S338005.html">www.eps.org/aps/meet/MAR01/baps/abs/S338005.html</a> , downloaded September 28, 2003.		
EG	DB	"Effect of Water on the Angle of Repose," slide 2 of 35 from internet site <a href="http://www.ideo.columbia.edu/dees/ees/ies2/masswasting/sld002.html">www.ideo.columbia.edu/dees/ees/ies2/masswasting/sld002.html</a> , downloaded September 28, 2003.		
EG	DC	"Dynamics Angles of Repose," internet article from <a href="http://groups.physics.umn.edu/sand/theory.shtml">http://groups.physics.umn.edu/sand/theory.shtml</a> ; p. 1-2, downloaded September 28, 2003.		
EG	DD	Morisawa, Marie, "Stable Angles of Slopes," from <a href="http://www.beloit.edu/~SEPM/Earth_Works/Stable_angles_of_slopes.html">www.beloit.edu/~SEPM/Earth_Works/Stable_angles_of_slopes.html</a> ; p. 1-4, downloaded September 28, 2003.		
EG	DE	Park, Brien, "What do you suppose is the 'angle of repose'?", web article from <a href="http://www.nps.gov/brca/Geodetect/Earth%20Systems/angle%20of%20repose.htm">www.nps.gov/brca/Geodetect/Earth%20Systems/angle%20of%20repose.htm</a> ; p. 1-4, July 9, 2002.		
EG	DF	"Sand Angels," web article from <a href="http://www.edgerton.org/kidscorner/sandangels.html">www.edgerton.org/kidscorner/sandangels.html</a> ; p. 1-2, downloaded September 28, 2003.		
EG	DG	Excerpt from "Highways in the River Environment," p. 1-4; 1975.		
EG	DH	"Sand Piles," web page from <a href="http://van.hep.uiuc.edu/van/qa/section/Everything_Else/Hard_to_Categorize/924816567.htm">http://van.hep.uiuc.edu/van/qa/section/Everything_Else/Hard_to_Categorize/924816567.htm</a> , downloaded September 28, 2003.		
EG	DI	"Slope Stability Lab," web page from <a href="http://www.geo.arizona.edu/K-12/azpepp/education/activity/la.html">www.geo.arizona.edu/K-12/azpepp/education/activity/la.html</a> ; p. 1-4, downloaded September 28, 2003.		
EG	DJ	"The Angle of Repose and the Static Coefficient of Friction," web page from <a href="http://www.redcompservices.com/Pcourses/Phys1/repose.htm">www.redcompservices.com/Pcourses/Phys1/repose.htm</a> ; p. 1-2, downloaded September 28, 2003.		
EG	DK	Promptalagorn, Wiroj et al., "Friction Coefficient & Angle of Repose Equipments," web abstract from <a href="http://library.kmitnb.ac.th/projects/eng/MHT/mht0096e.html">http://library.kmitnb.ac.th/projects/eng/MHT/mht0096e.html</a> , 1996		
EG	DL	"Slope Stability Lab," p. 1-4 (undated)		
EG	DM	"Angle of Repose," slide 3 of presentation, <a href="http://www3.uakron.edu/geography/lrb/physf97/lectures/masswaste/sld003.htm">http://www3.uakron.edu/geography/lrb/physf97/lectures/masswaste/sld003.htm</a> , downloaded September 28, 2003.		
EG	DN	Chase, George G., "Solids Notes," University of Akron (undated) p. 4-1:4-2.		
EG	DO	"Mass Wasting," (undated); p. 1-7;		
EG	DP	"CHASM: Cone Handling Algorithms for Stockpile Modeling," web article from <a href="http://www.cmis.csiro.au/PPI/RecentProjects/CHASM.htm">www.cmis.csiro.au/PPI/RecentProjects/CHASM.htm</a> ; p. 1-3, downloaded September 28, 2003.		
EG	DQ	"Axial Segregation in Binary Granular Flows," abstract from <a href="http://www.aae.uiuc.edu/floatn/C%20PROJ/pp02-03f.htm">www.aae.uiuc.edu/floatn/C%20PROJ/pp02-03f.htm</a> ; p. 1-2, downloaded September 28, 2003.		
EG	DR	Bulk-Store Structures Inc. internet brochure from <a href="http://www.bulk-store.ca/fert.html">www.bulk-store.ca/fert.html</a> ; p. 1-3; 2000		
EG	DS	Commercial Hopper Tank Storage Capacities and Heights spec sheet; 2002.		
EG	DT	"Volcanism Behind the Main Arc," web page from <a href="http://www.rci.rutgers.edu/~carr/fieldtrip/fieldtext/cuilapa fldtxt.htm">www.rci.rutgers.edu/~carr/fieldtrip/fieldtext/cuilapa fldtxt.htm</a> , downloaded September 28, 2003.		
EG	DU	"Screening Equipment," SMICO Manufacturing web page <a href="http://www.smico.com">www.smico.com</a> , downloaded October 1, 2003.		
EG	DV	"Material Bulk Density Reference Chart," SMICO Manufacturing; p. 1-20 (undated)		
EG	DW	Hudson, Ralph G., <i>The Engineers' Manual</i> , Second Edition 1963; p. 101-102.		
EG	DX	"Storage of Farm Crops," <i>Agricultural Engineers' Handbook</i> ; p. 691, 1961		
EG	DY	"Approximate Angle of Repose of Various Materials," <i>Caterpillar Performance Handbook</i> ; January 1972, p. 25.		
EG	DZ	"Tables-Angle of Repose of Various Materials," <i>Caterpillar Performance Handbook</i> , October 2002, p. 26-1.		

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Group Art Unit	2123
Examiner Name	Eduardo Garcia Otero
Attorney Docket Number	189405

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EA	"Material Angles of Repose," chart from Philippi-Hagenbuch, Inc., 2003	Technology Center 2100
EB	Photographs from Caterpillar brochures featuring: 785 Truck (4-88)-AEHQ7006 (undated).	
EC	Photographs from Caterpillar brochures featuring 785C Mining Truck (4-02)-AEHQ5328-02 (undated)	
ED	Photographs from Caterpillar brochures featuring 785/789 Truck (AEDK1468) (undated)	
EE	Photographs from Caterpillar brochures featuring 775B Truck (4-94)-AEHQ3874 (undated)	
EF	Photographs from Caterpillar brochures featuring 773E Truck (11-01)-AEHQ5456 (undated)	
EG	Photographs from Caterpillar brochures featuring 775E Truck (11-01)-AEHQ5457 (undated)	
EH	"Density of Common Materials," <i>The Excavators 5<sup>th</sup> Edition-Hitachi</i> ; sections 11-36:11-39 (undated).	
EI	"Tables: Weight of Materials," <i>Caterpillar Performance Handbook Edition 33</i> , October 2002.	
EJ	Caterpillar General Dimensions 769B Truck (undated).	
EK	Caterpillar Body Assembly 769B Truck (undated).	
EL	Sideview drawing showing "Ten Different Load Configurations-Load Heaps for the Caterpillar 769B Body, created by Philippi-Hagenbuch, 2003.	
EM	"Four "A" Size Isometric Drawings displaying one each possible 1.7:1 load configuration-load heap," for the Caterpillar 769B Truck; created by Philippi-Hagenbuch, 2003.	
EN	1.7:1 Heap (1:1 at rear) 30.2 cu yd.	
EO	1.7:1 (True Heap) 27.5 cu yd	
EP	1.7:1 Profiled Heap (to a point) 26.0 cu yd	
EQ	1.7:1 Profiled Heap (with top plateau) 25.8 cu yd	
ER	"3M Mining" advertisement in <i>Mining Monthly</i> , August 2003.	
ES	CSIRO-Common Wealth Scientific & Industrial Research Organization of Australia; website home page, downloaded October 5, 2003	
ET	"New Technology to Measure Mining Haul Truck Loads," CSIRO Press Release July 1, 2003.	
EU	"New Technology to Measure Mining Haul Truck Loads," article from <a href="http://www.cmit.cisro.au/innovation/2003.08">http://www.cmit.cisro.au/innovation/2003.08</a> ; p. 1-2, downloaded August 22, 2003.	
EV	"A Proud History," <i>Euclid Haulers</i> brochure; p. 2; 1988.	
EW	"2:1 Heap," <i>Euclid-Hitachi</i> brochure; p. 4; 1995.	
EX	"2:1 SAE Heap," <i>Euclid-Hitachi</i> brochure; p. 4; 1999.	
EY	"2:1 SAE—Euclid R130," <i>VME Americas Inc.</i> ; p. 4, 1989.	
EZ	"2:1 SAE—Euclid R190," <i>VME Americas Inc.</i> ; p. 4; 1990.	
FA	"2:1 SAE—Euclid R25," <i>Euclid Inc.</i> ; 1982.	
FB	"2:1 Field Heap—Euclid R35," <i>Euclid Inc.</i> ; 1983.	
FC	"SAE 2:1 Rated Heap," <i>VME Industries North America</i> ; 1992	

Examiner Signature

ED GARCIA-OTERO

Date Considered

2/2/04

\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).